***Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ P: \_\_\_\_\_\_\_***

**Geometry Homework**

HW #138 Find Unknown Measurements

Due Tuesday, 21 April 2015

|  |  |
| --- | --- |
| 1) A square and a rectangle have the same area. If the side length of the square is 8 inches, what is the width of the rectangle if the length of the rectangle is 4? | 2 The perimeter of a rectangle is 64 feet. The width of the rectangle is half as long as its length. Find the length and width of the rectangle. |
| 3) In the figure below, the lengths of line segments are given, in units. What is the area, in square units, of ∆DEG? | 4) A square and a semicircular region have the same perimeter. If the length of the radius of the semicircular region is 16, what is the length of one side of the square |
| 5) A rectangle has an area of 60 meters, and a width of 4 meters. What is the perimeter of the rectangle? | 6) Given *m*∠*ABC* = 94°, find *m*∠*CBD* |
| 7) An 8-foot-by-4-foot garden space is increased to be three times as large. If the 8-foot side is increased by 4 feet, how many feet must the 4-foot side have been increased? | 8) Find the value of h. |

GRASP REVIEW!(Mind the GAP with complete sentences!)

If the coordinates of a square that is inscribed in a circle are (-3,6), (5,6), (-3,-2), and (5,-2); what is the area of the circle? (Note you will have to use the Pythagoran Theorum or distance formula and might have to look up what inscribed means. We believe in you!)

G

R

A

S

P